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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : M. Diab
Appl. No. : 09/471,510
Filed : December 23, 1999
For : PLETHYSMOGRAPH PULSE
RECOGNITION PROCESSOR
Examiner : M. Kremer

) Group Art Unit 3736

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) (Date)

) Stephen C. Jensen
) Stephen C. Jensen, Reg. No. 55,556

AMENDMENT AND RESPONSE

United States Patent and Trademark Office
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Dear Sir:

In response to the Office Action dated February 13, 2002, Applicant respectfully submits the following amendments and comments.

IN THE CLAIMS:

Please amend the claims as follows:

Please cancel Claims 1, 5-7, 10, 12 and 15 without prejudice.

Please Enter Amendment 1 p. n/k 5/8/02
(Amended) A processor having a plethysmograph waveform input resulting from light attenuated by body tissue with pulsing blood and a pulse recognition output providing information regarding pulses within said waveform input, said processor comprising:

a candidate pulse portion that determines a plurality of potential pulses within said waveform input;

a physiological model portion that determines the physiologically acceptable ones of said pulses; and

a portion that determines statistics of pulses with said waveform input.

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